Title: Murine Calcivirus
Inventor(s): Virgin, Herbert W.
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٦		
	mous strain	dead/total
Passage 0	RAG/STAT-/-	5/6
Passage 1	RAG/STAT-/-	15/15
Passage 2	IFNαβγR-/-	15/15
	IFNαβγR-/- (filtered) 9/13
	129	0/4

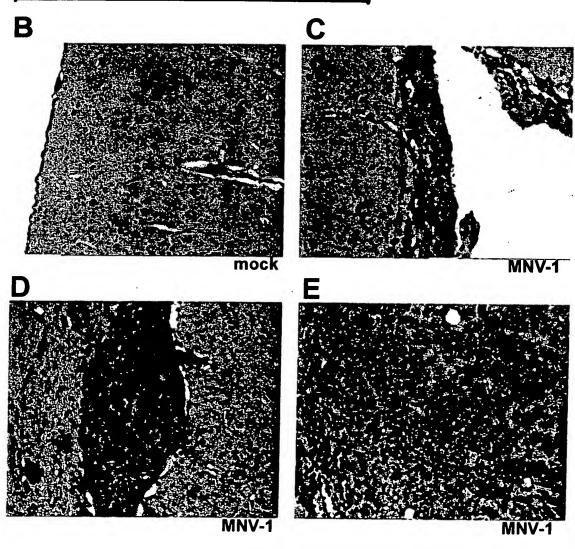


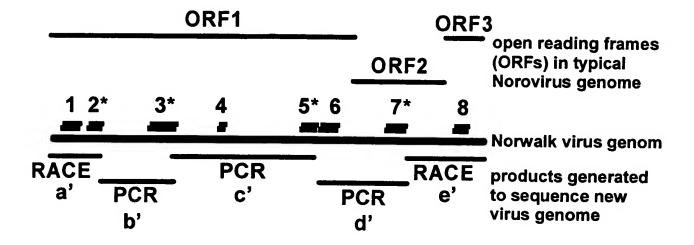
Figure 1

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Discovery and sequencing of n w virus genome

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A Norwalk virus genome (7654 bp) as a framework



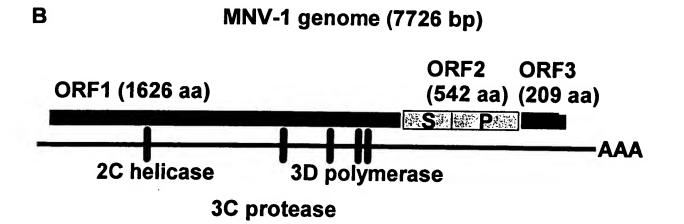


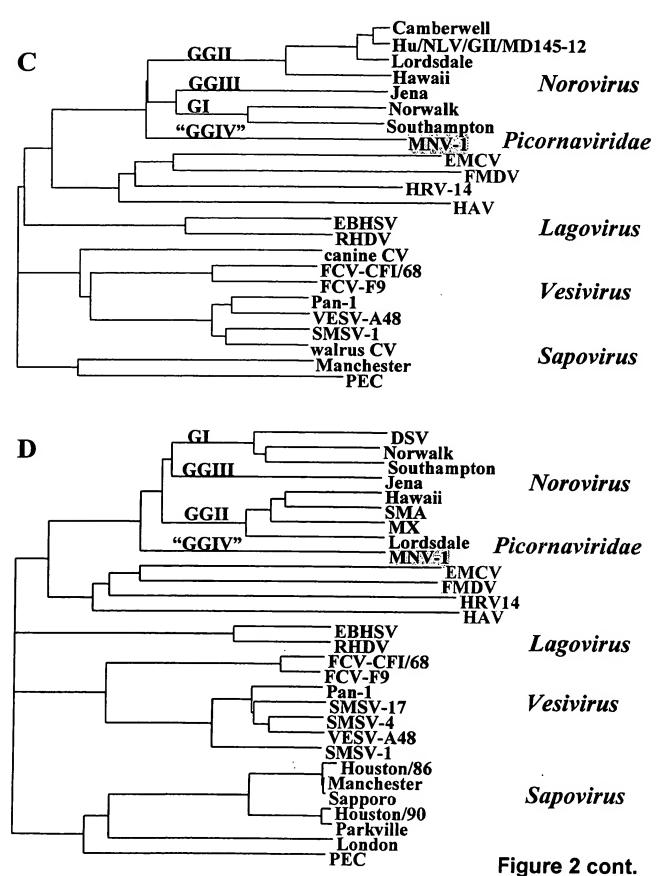
Figure 2

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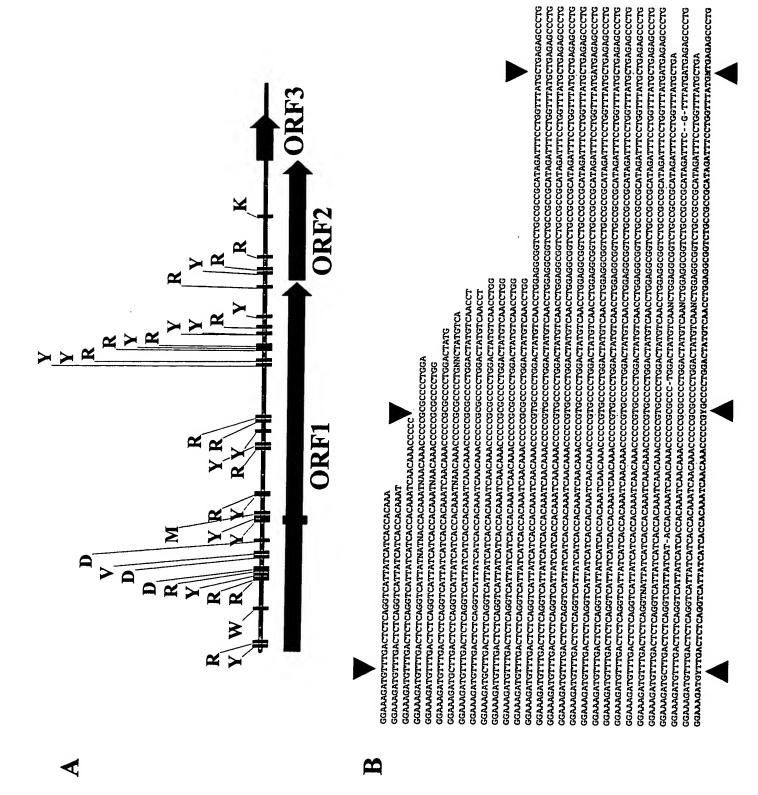
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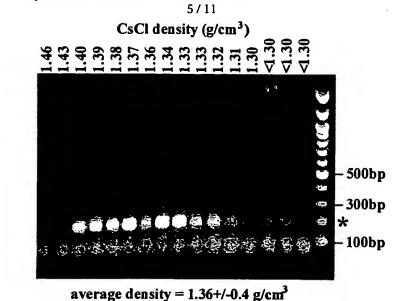
Title: Murine Calcivirus
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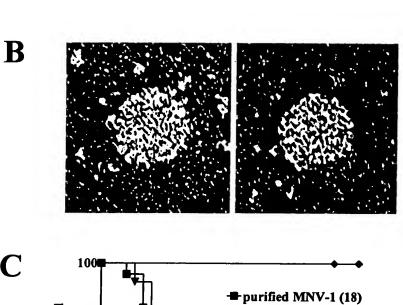
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Inventor(s): Virgin, Herbert W.
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A





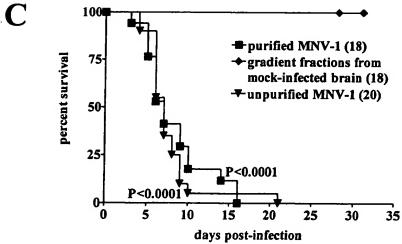


Figure 4

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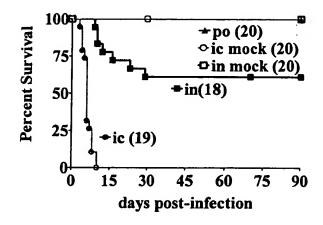
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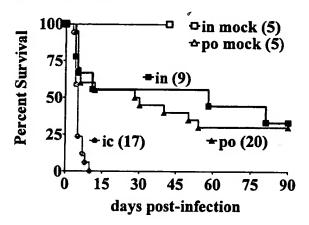
A

Mouse strains demonstrating no mortality after challenge with MNV-1				
Mouse strain	Inoculation route, and number of mice inoculated			
	ic (30dpi)	in (90 dpi)	po (90 dpi)	
129	20	10	20	
B6	20	not done	not done	
RAG-/-	20	not done	not done	
IFNαβR-/-	19	10	10	
IFNγR-/-	19	10	not done	
iNOS-/-	20	not done	20	
PKR-/-	19	not done	20	

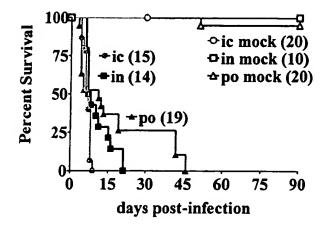
B: IFN α βγR-/-



C: STAT1-/-



D: RAG/STAT-/-



E: STAT/PKR-/-

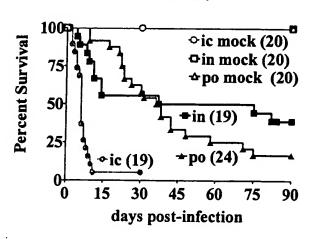
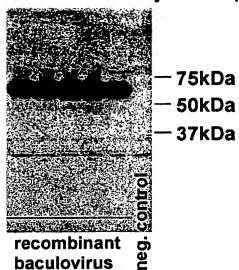


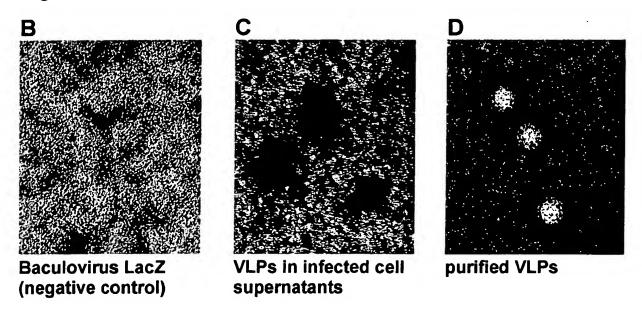
Figure 5

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A Western blot analysis of capsid protein expression

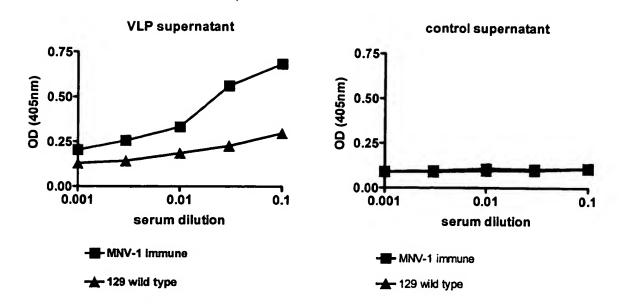


negative stain EM of MNV-1 VLPs



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Α



B

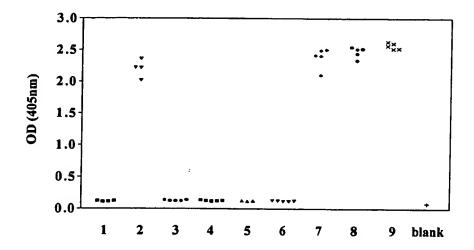


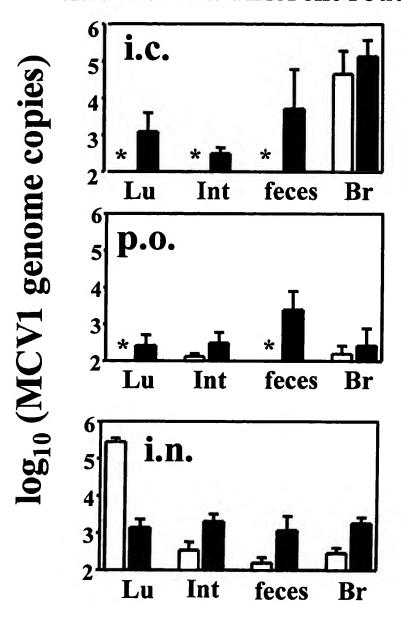
Figure 7

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Tissue MCV1 RNA levels after infection via different routes



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Spleen sections of STAT1-/- 3dpi after p.o. inoculation with MNV-1

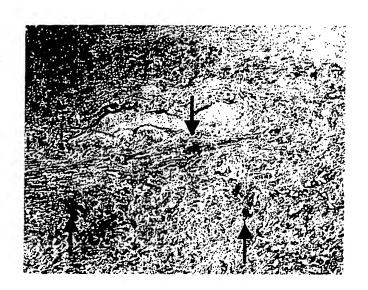


Figure 9

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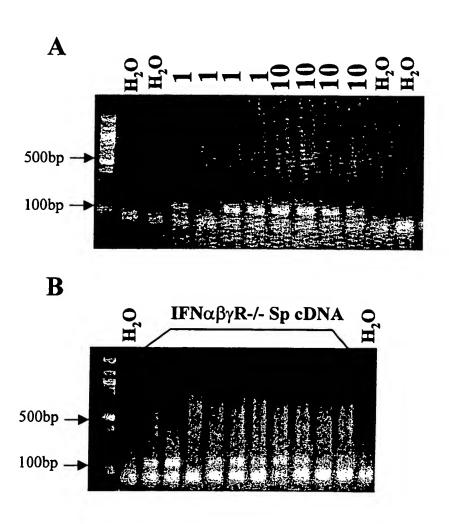


Figure 10